

Fig. 1

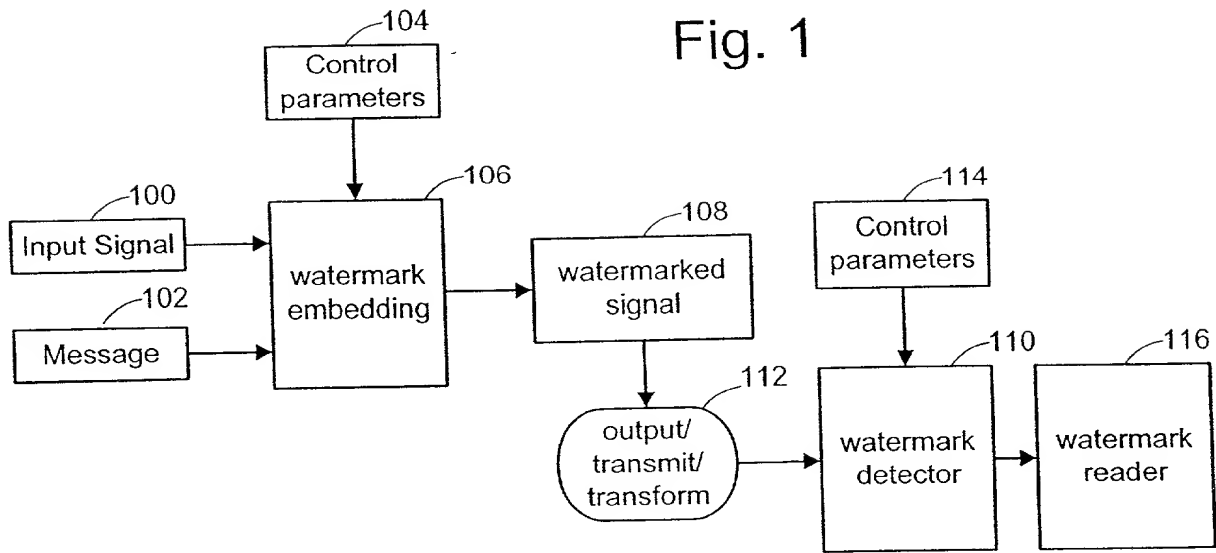


Fig. 2

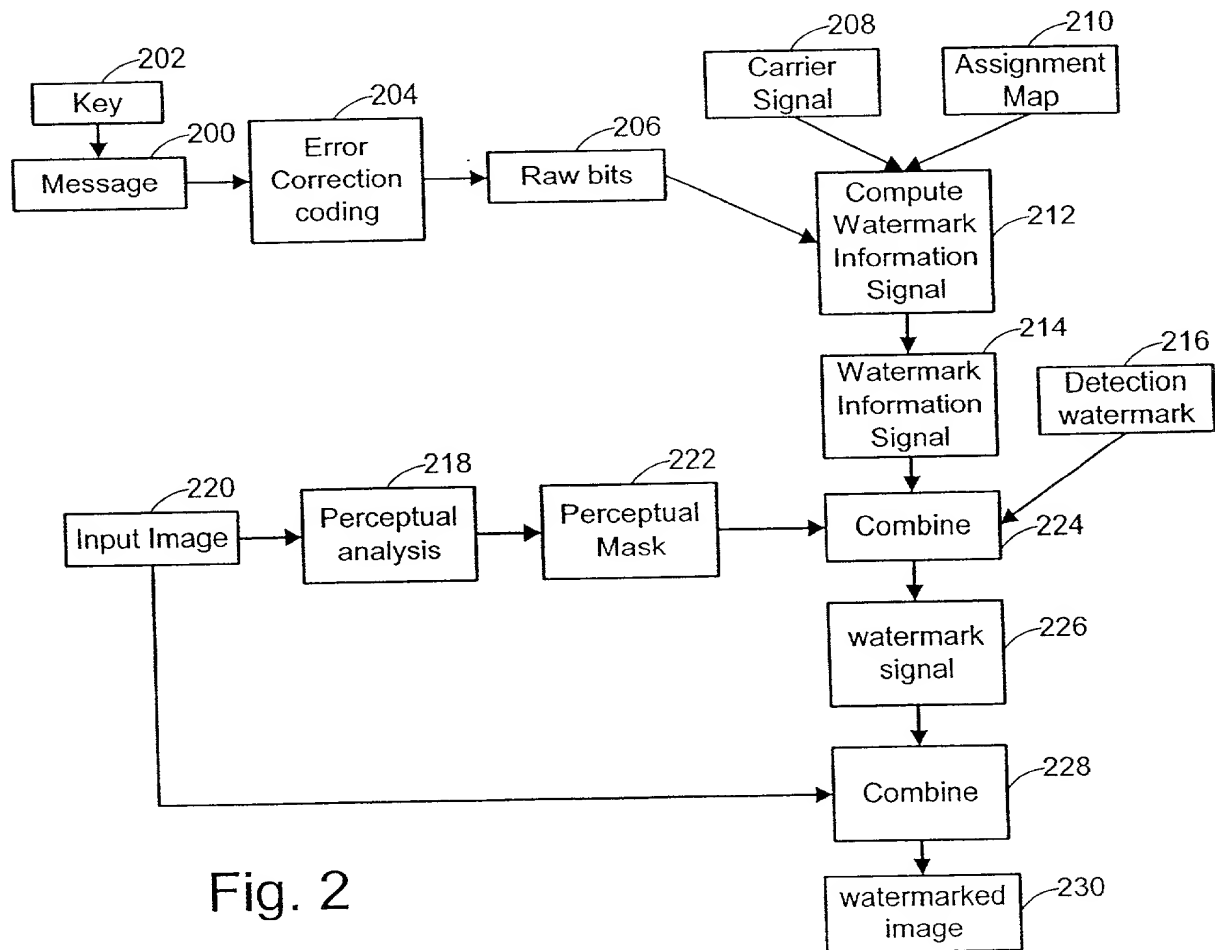


Fig. 3

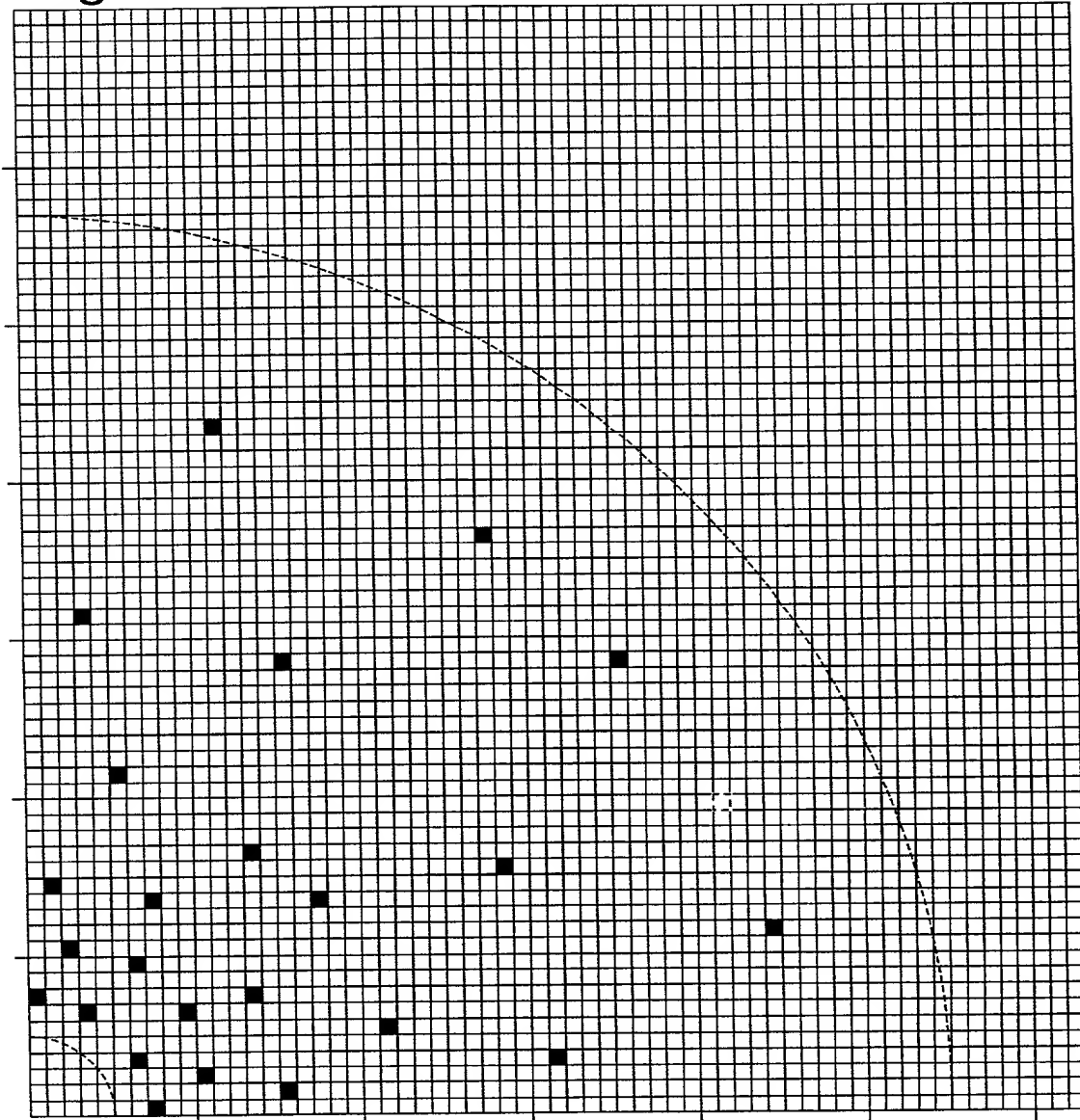


Fig. 4

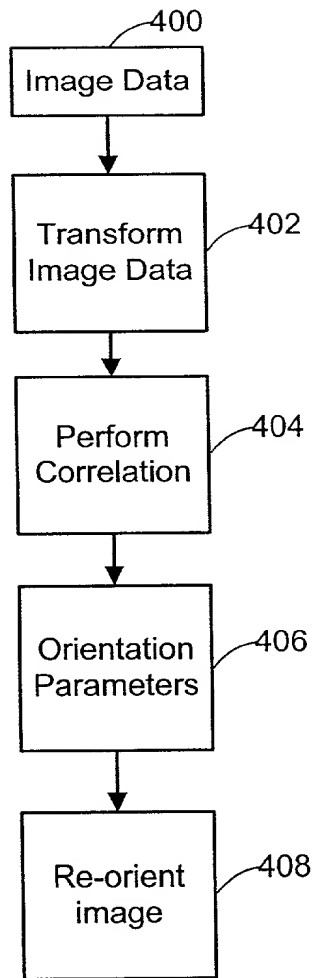
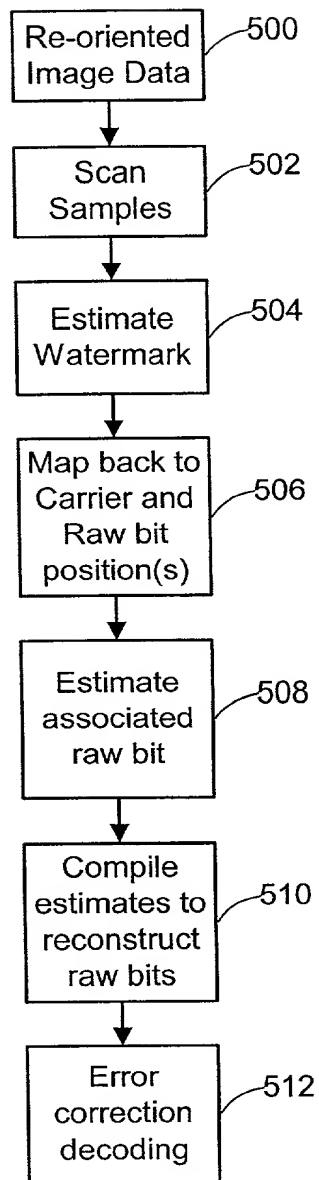


Fig. 5



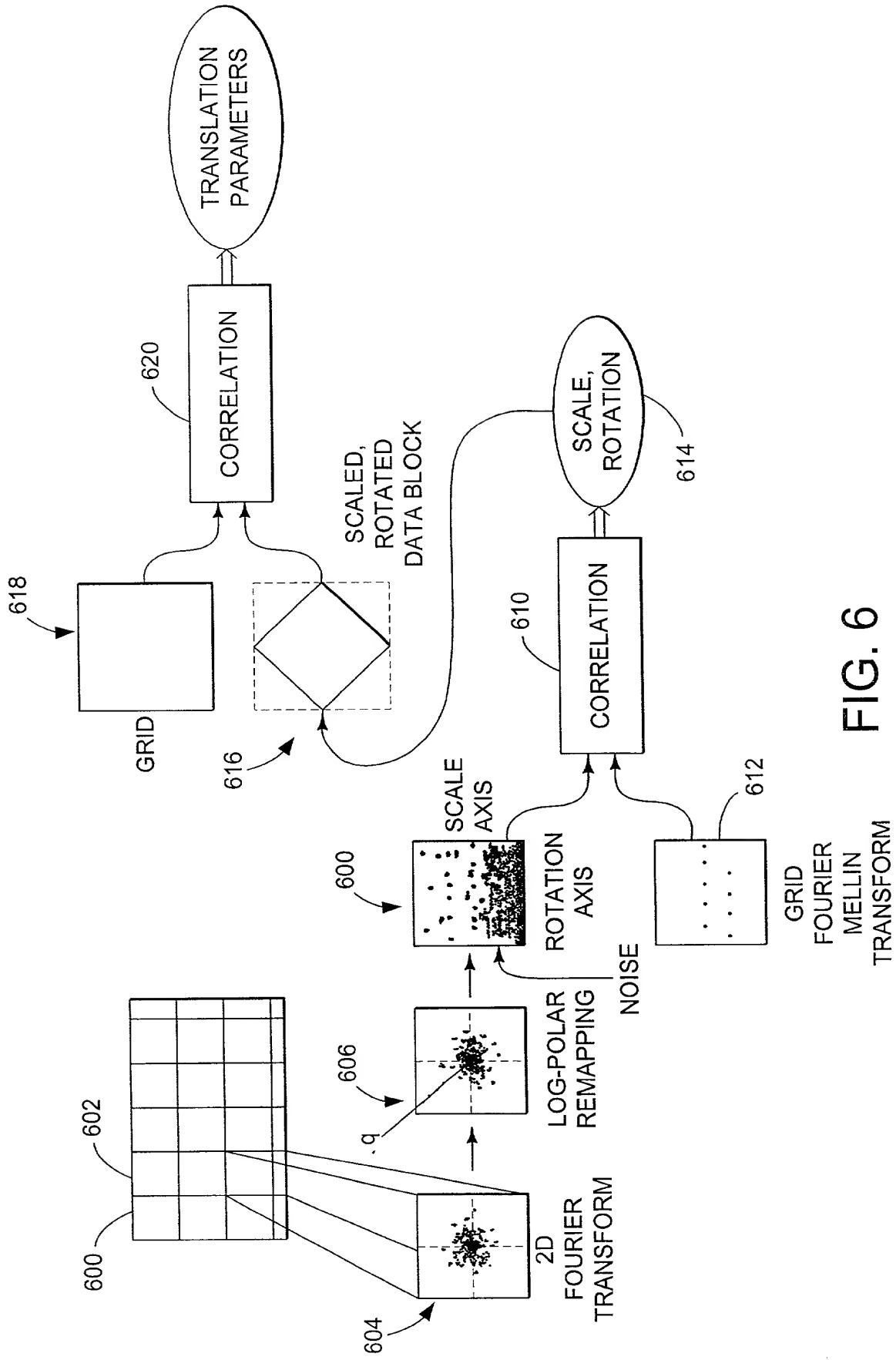
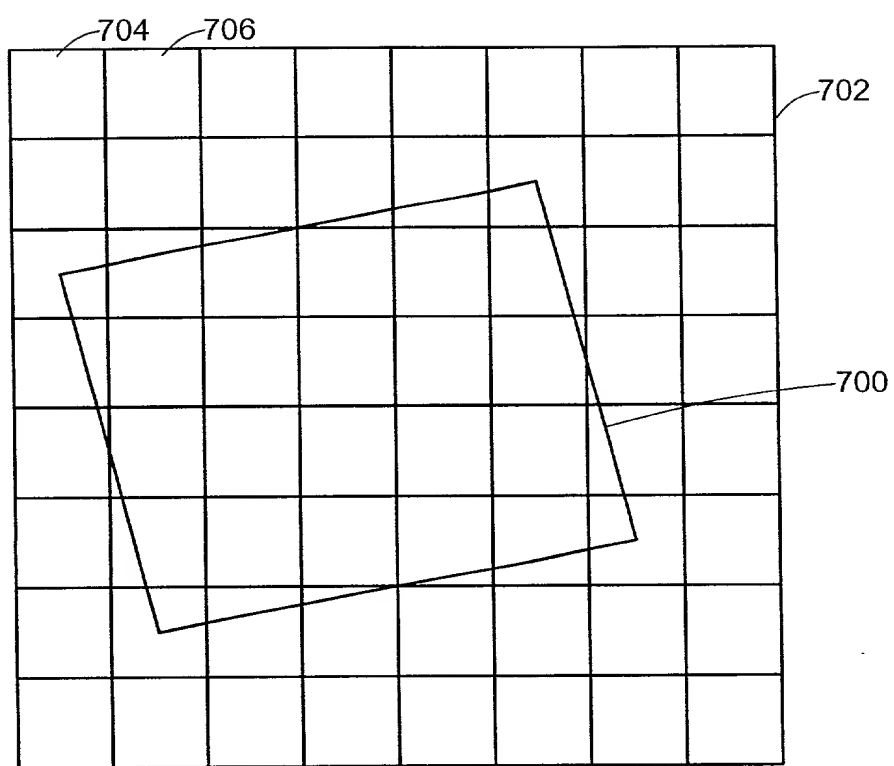


FIG. 6

Fig. 7



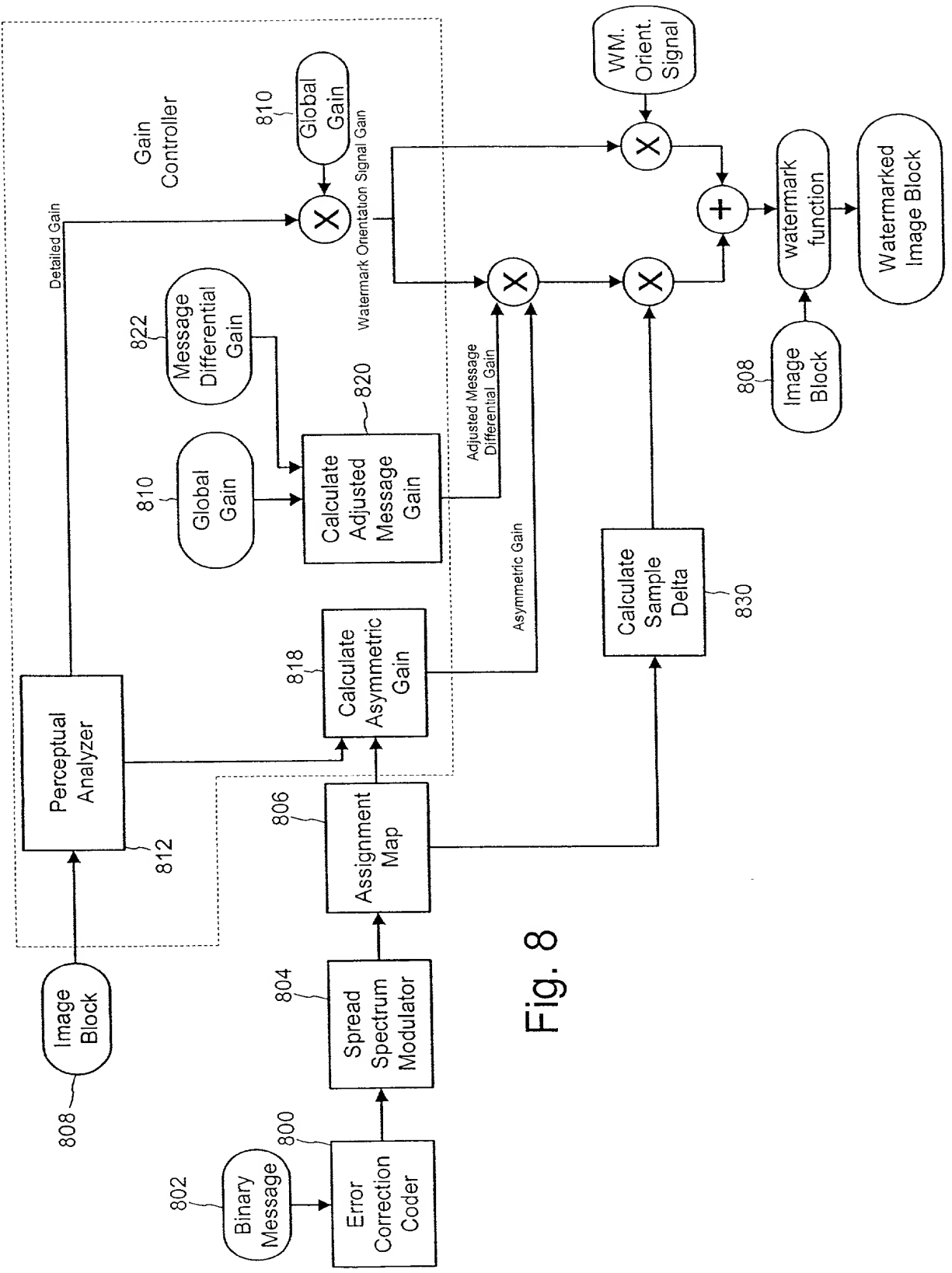
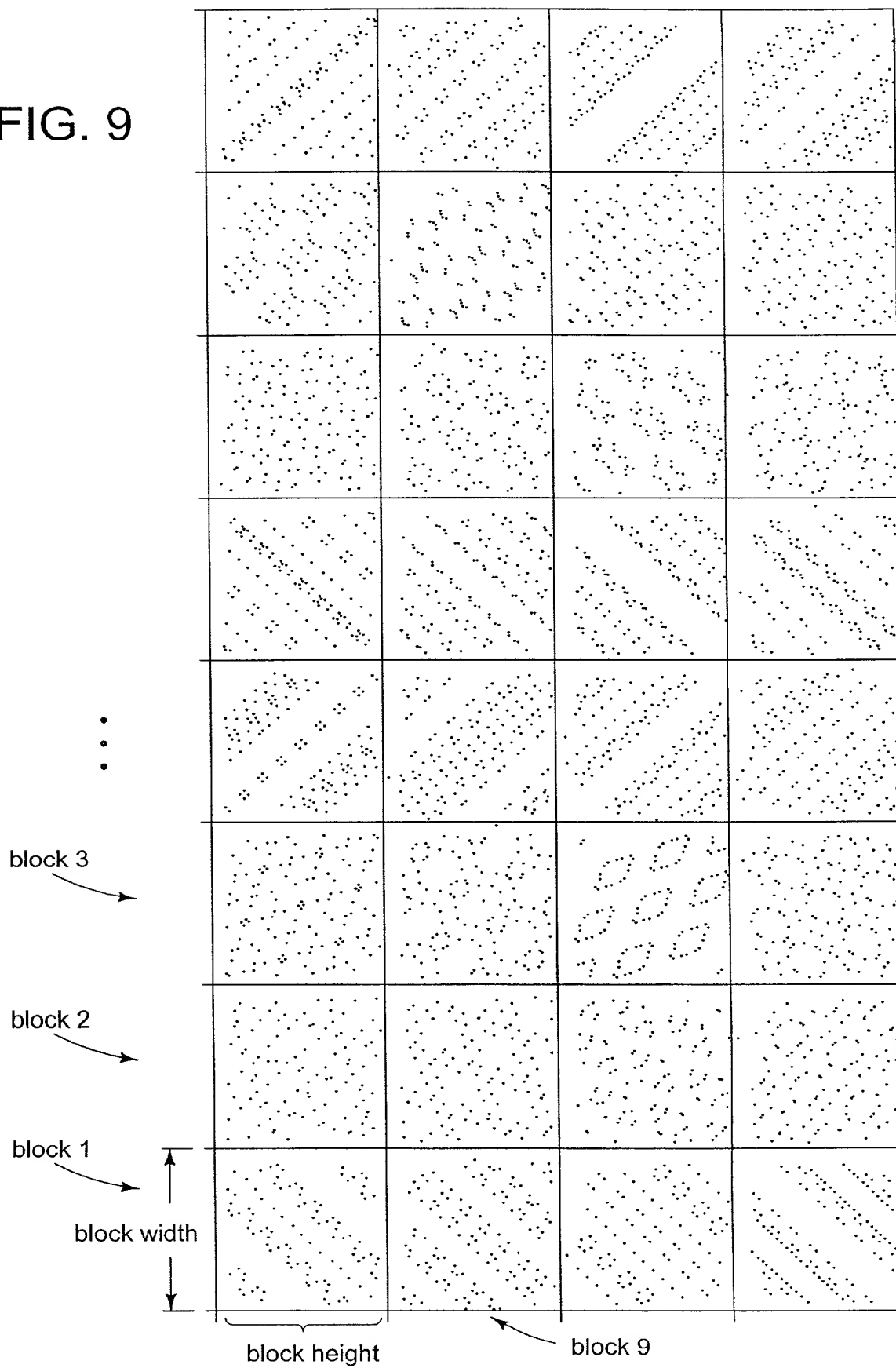


Fig. 8

FIG. 9



MAGNITUDE OF WATERMARK ORIENTATION SIGNAL
IN FREQUENCY DOMAIN

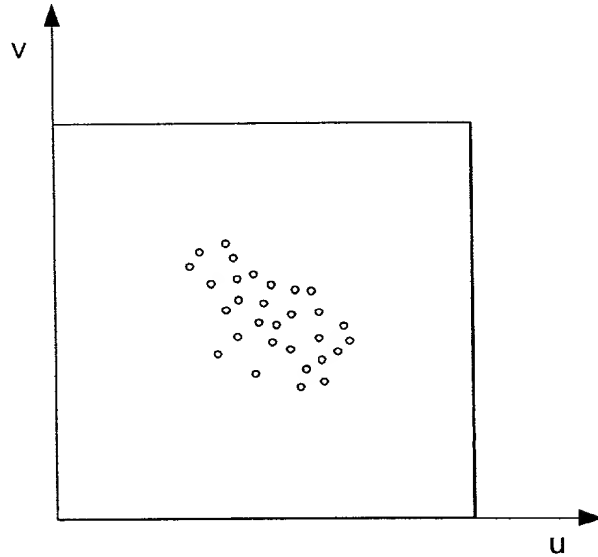


FIG. 10

REAL VALUE OF WATERMARK ORIENTATION SIGNAL
IN SPATIAL DOMAIN

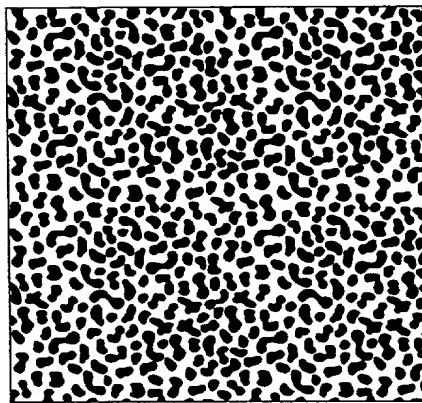


FIG. 11

Fig. 12

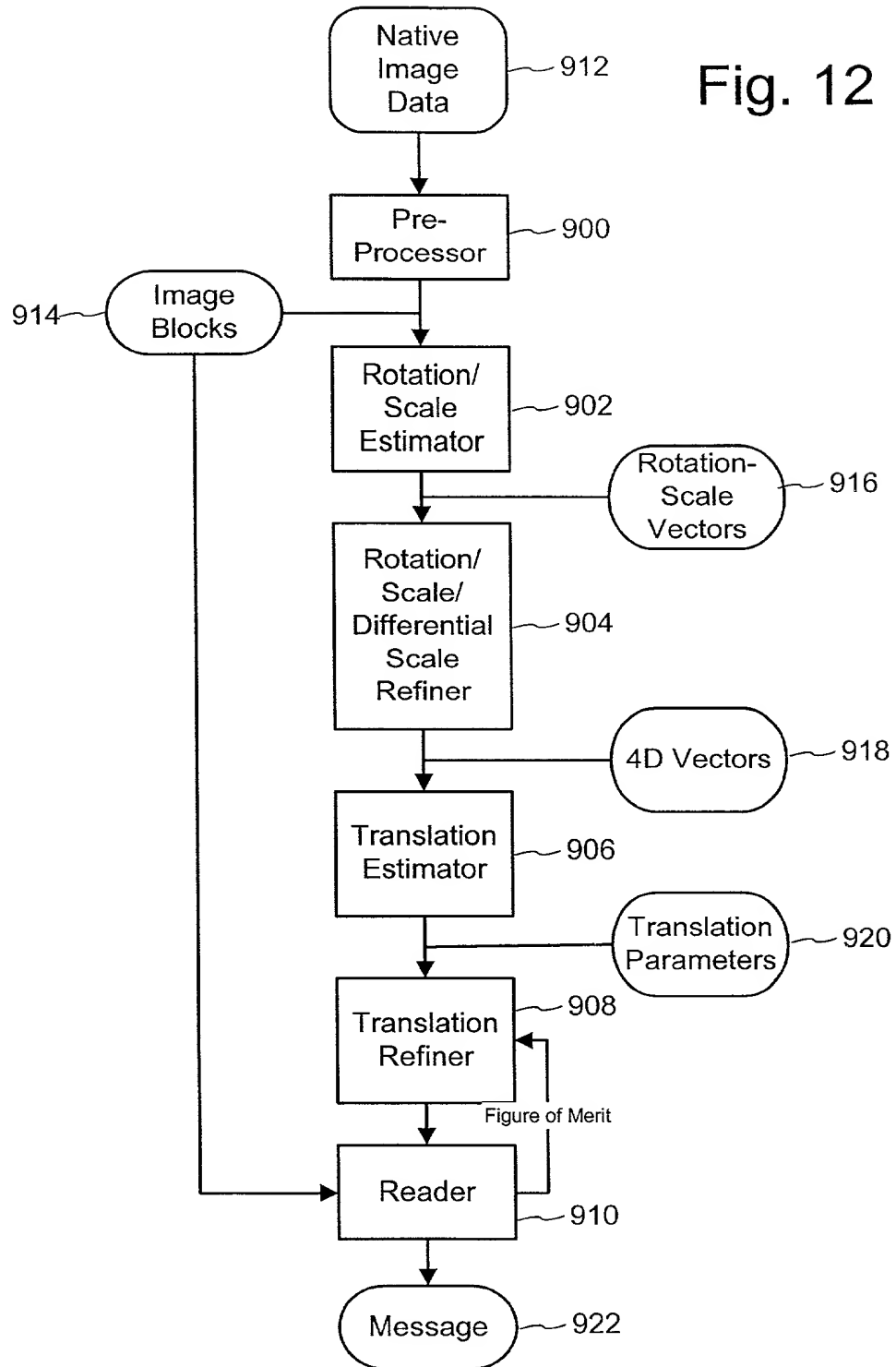


Fig. 13

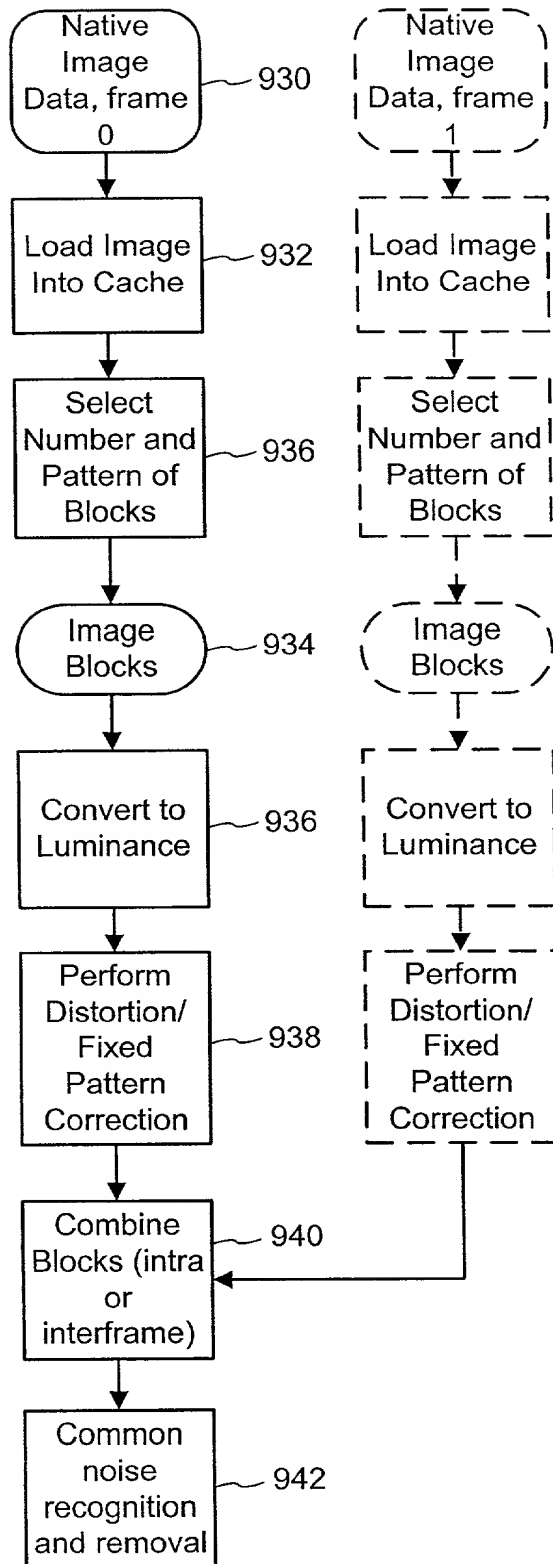
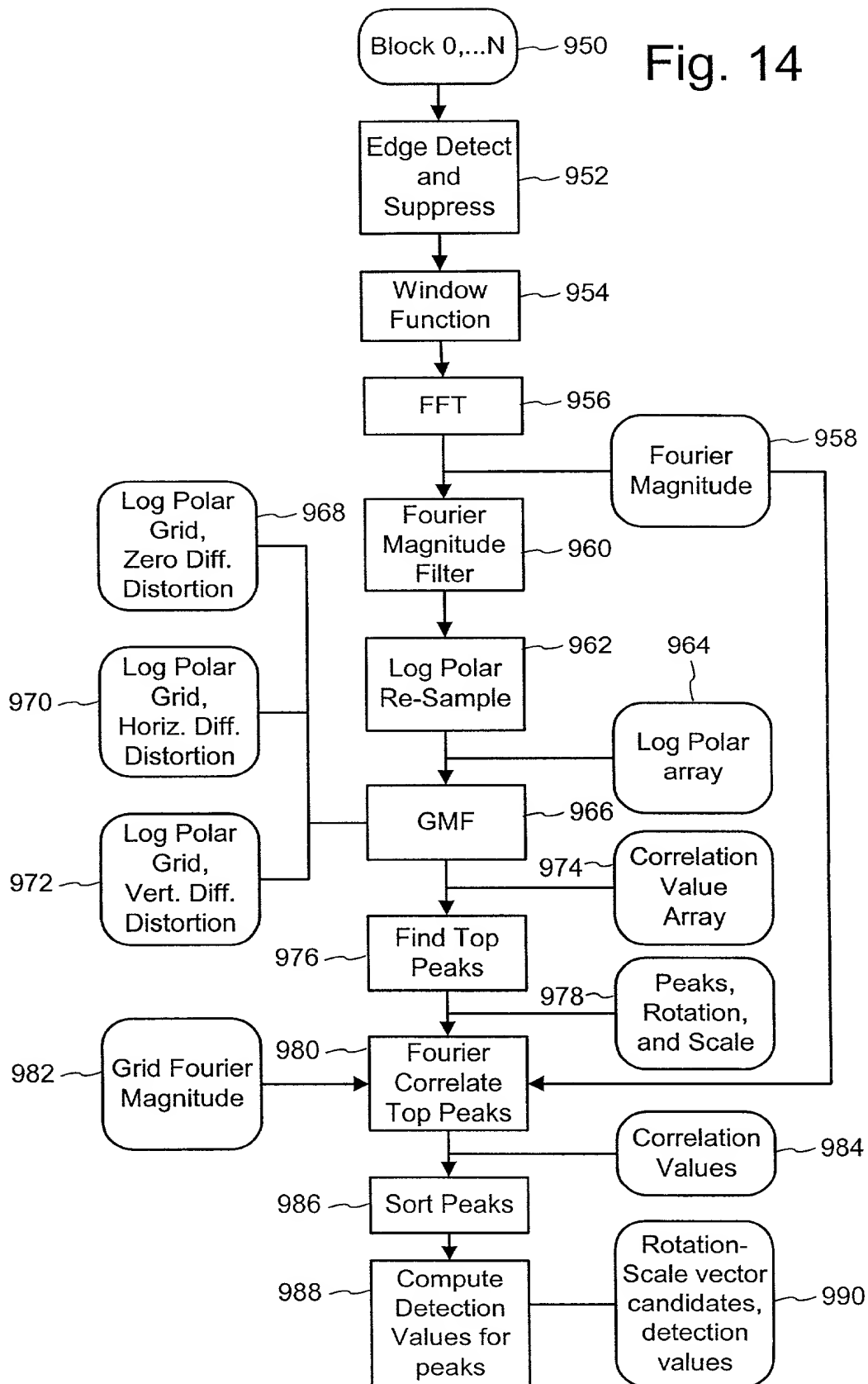


Fig. 14



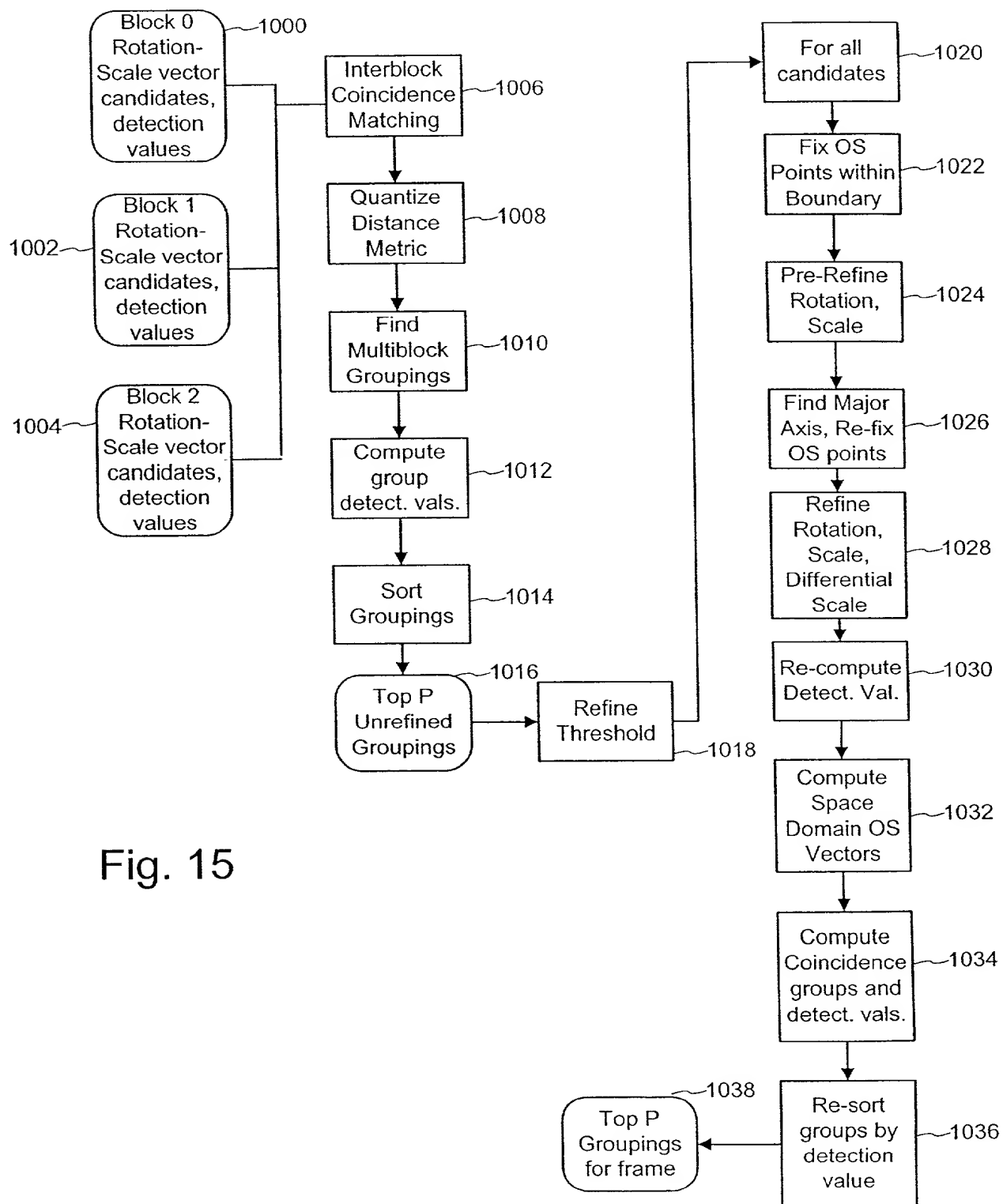
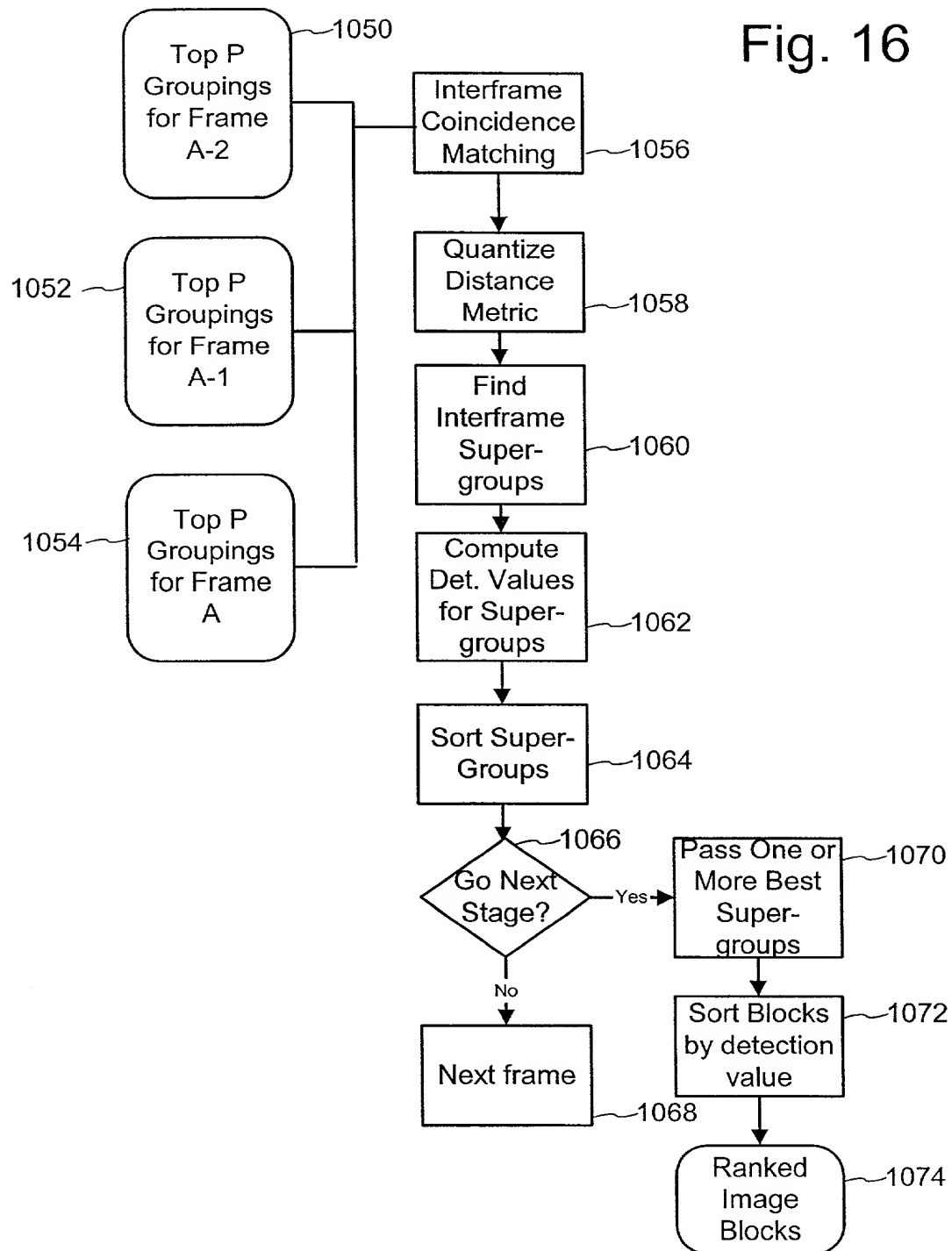
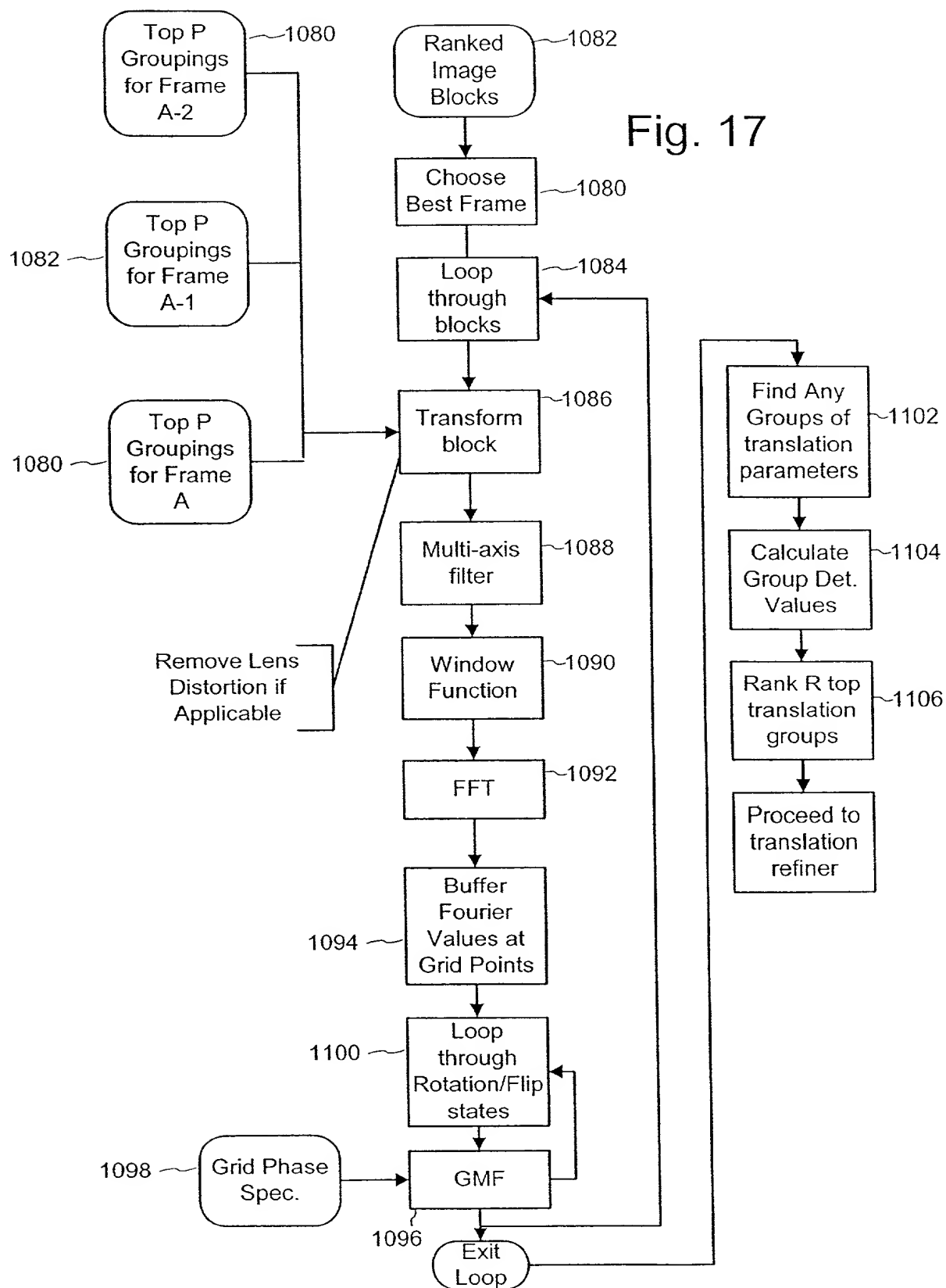


Fig. 15

Fig. 16





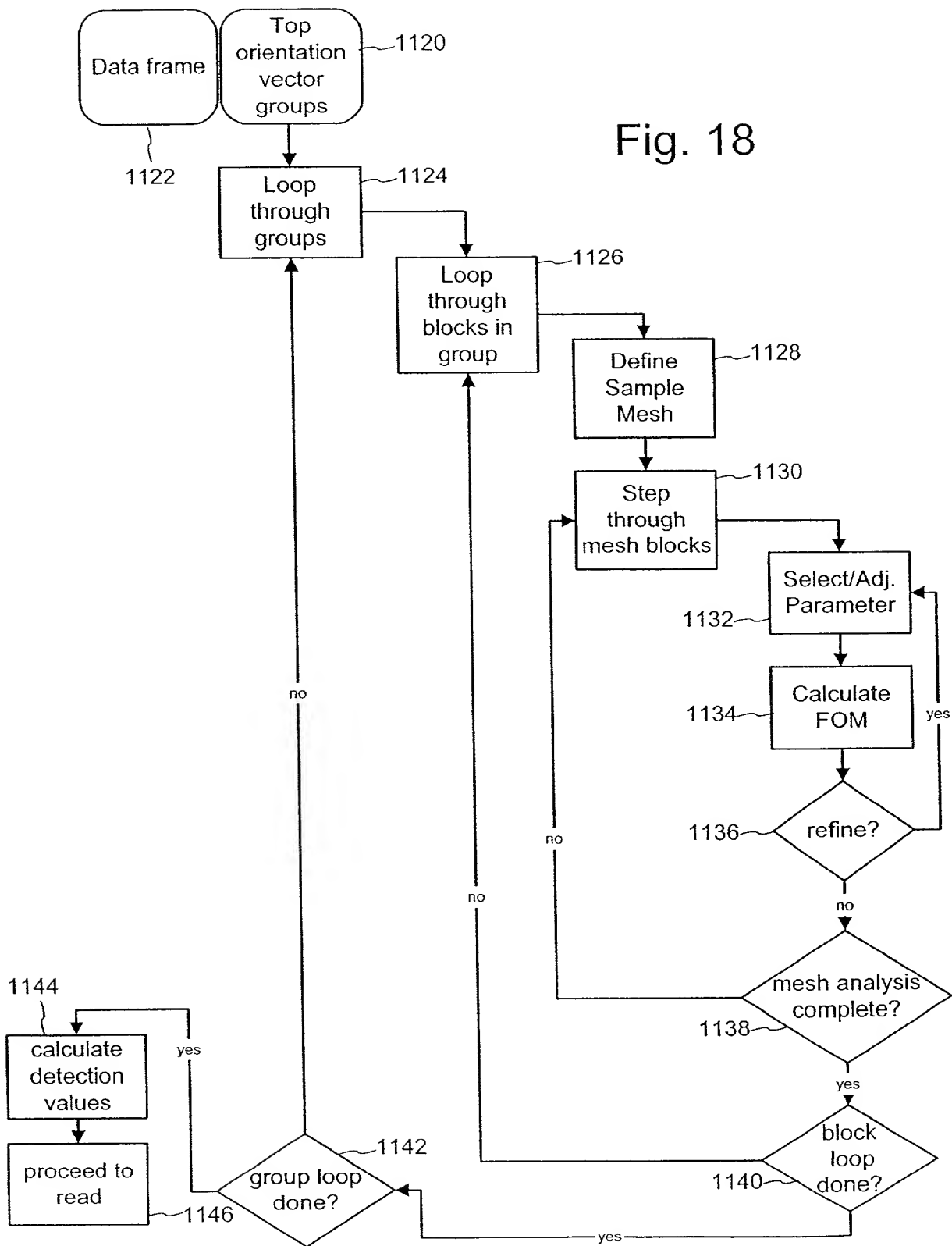


Fig. 19

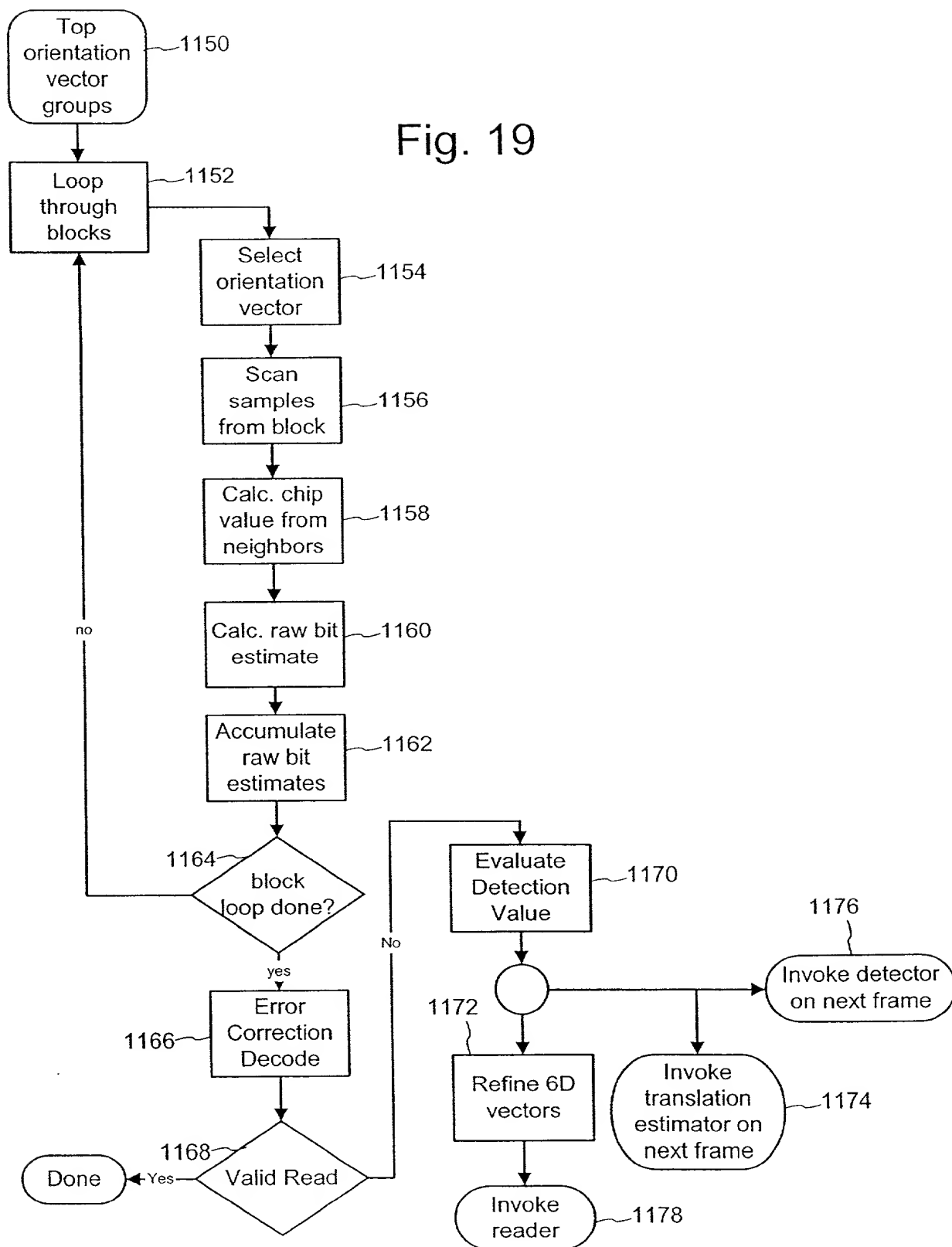
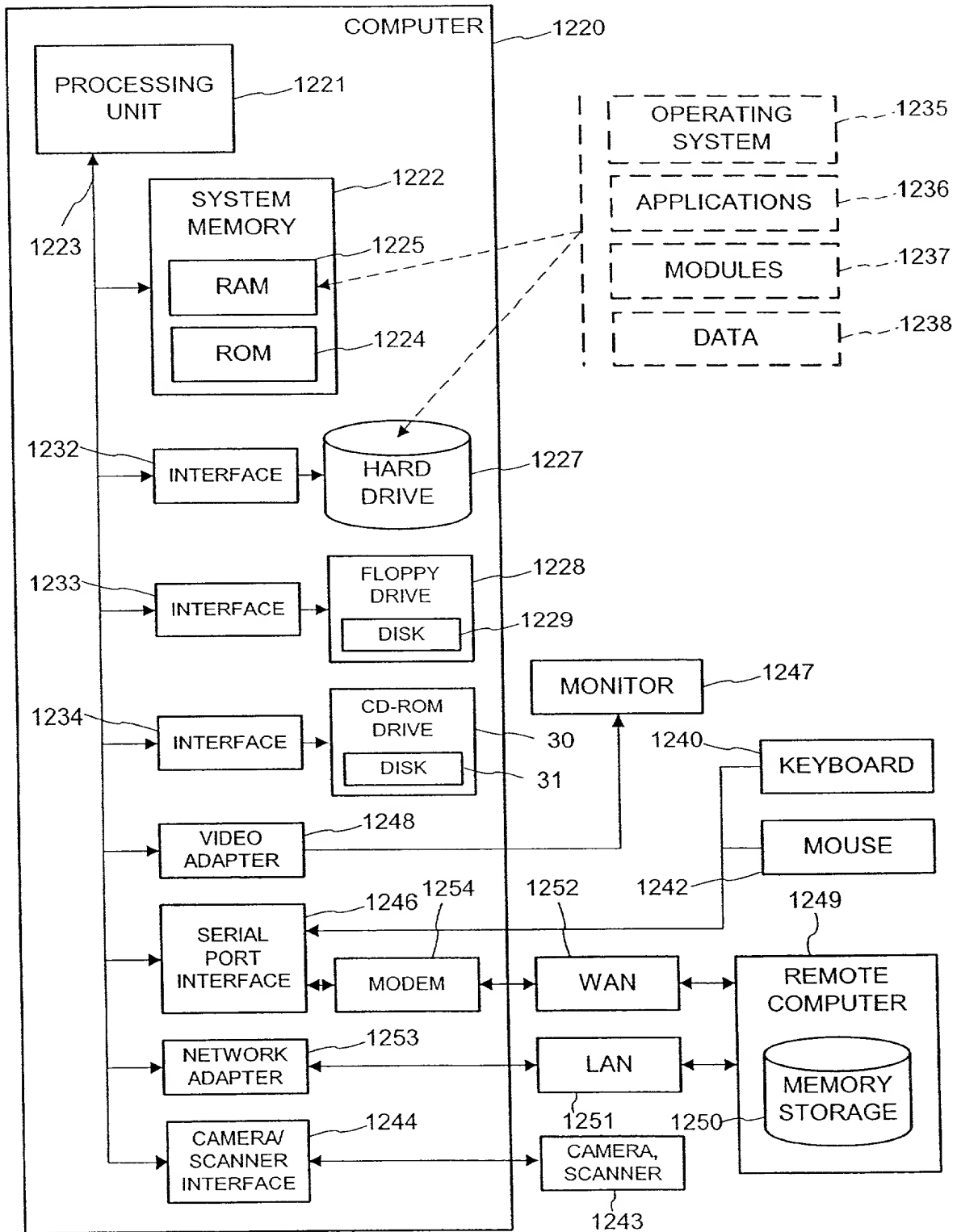


FIG. 20



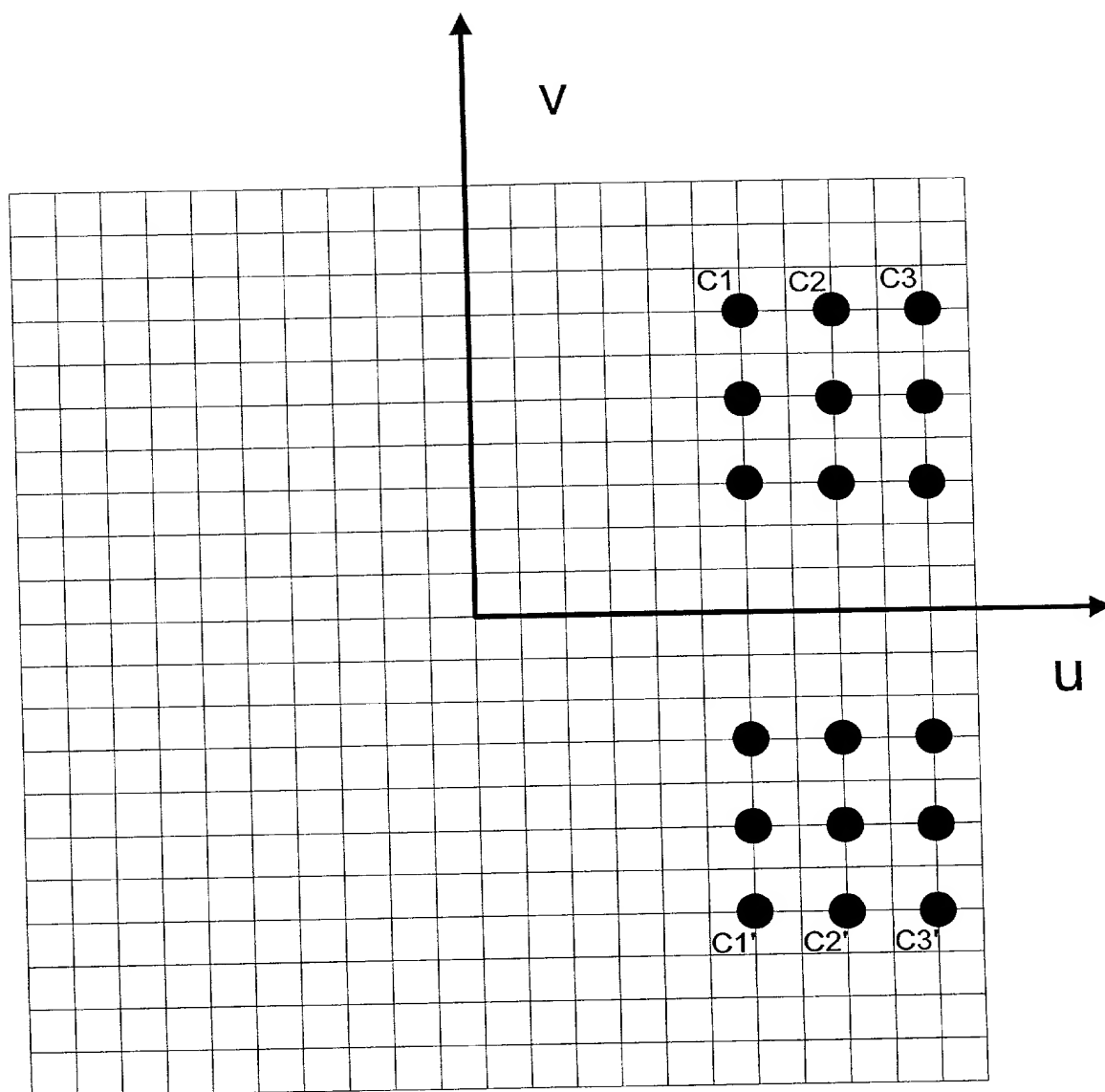


Fig. 21